

Claims

1. A magnetic pole for magnetic levitation vehicles having a core (1) with a center axis (5) and a winding (16) in form of a disk applied on it, said winding being formed by a conductor strip (17) wound in several layers (10) around said core (1), characterized in that said conductor strip (17) at its longitudinal rims (17a, 17b) placed at a distance in the direction of the center axis (5) is so tailor-cut that its width increases steadily from the core (1) towards the outside until it reaches a highest value (b2).
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2. A magnetic pole according to Claim 1, characterized in that the maximum value
10 (b2) of the width, viewed in a longitudinal direction of the conductor strip (17) is reached after a length that corresponds to a number of layers (10) which is smaller than the number of layers provided in total (10a....10k).
3. A magnetic pole according to Claim 2 characterized in that the maximum value
15 (b2) of the width is reached after a length of the conductor strip band (17) that corresponds to approx. ten layers (10).
4. A magnetic pole according to any of the preceding Claims 1 to 3, characterized
20 in that the longitudinal rims (17a, 17b) of said conductor strip (17) are mirror-symmetrically tailor-cut with respect to a longitudinal axis (18) extending vertically to the center axis (5) of said conductor strip (17).
5. A magnetic pole according to any of the preceding Claims 1 to 4, characterized
25 in that the longitudinal rims (17a, 17b) are tailor-cut along straight lines (18, 19).
6. A magnetic pole according to any of the preceding Claims 1 to 4, characterized
in that the longitudinal rims (17a, 17b) are tailor-cut along continuous curves
30 (20, 21).
7. A magnetic pole according to any of the preceding Claims 1 to 6, characterized

in that said core (1) at its shell surface is wrapped by an insulation a layer (3) and that a partially conductive foil (26) is located between said insulation layer (3) and a layer (10a) of said disc bordering it, said partially conductive foil resting against steps (24, 25) formed between said individual layers (10) being
5 formed by tailor-cutting of said conductor strip (17).

- 10 8. A magnetic pole according to any of the preceding claims 1 to 7, characterized in that it is at least comprised of two discs with layers (10) formed of one conductor strip (17) each and in that said conductor strips (17) of all discs are tailor-cut according to one or several claims of claims 1 to 7.